



NITFS Compliance Registration



Product: Dissemination Element (DE) Version 4.0.2, Build 574, (ERS 00)

Supplier: National Geospatial-Intelligence Agency (NGA)

Developer: Lockheed Martin Management and Data Systems

Date: 14 October 2003

Expiration: 13 October 2005

Registration #: 126

- ☐ Initial Registration
☒ Supplemental/Update #25
☐ Derived from Reg. #

System
N-0105/98, §4.1.1

NITFS Features Implemented:

Product
N-0105/98, §4.1.2

Component
N-0105/98, §4.1.3

Format

NITF

☐ v2.1

☒ v2.0

☐ v1.1

NSIF

☐ v1.0

Image Segment Types

☒ MONO

☐ RGB

☐ RGB/LUT

☐ YCbCr

☐ MULTI

☐ NO DISPLY

☐ POLAR

Data Extension Segments

☐ TRE_OVERFLOW

☐ STREAMING_FILE_HEADER

☐ Controlled Extensions **

☐ Registered Extensions **

Tagged Record Extensions

☒ AE - PIAPRC

☒ National SDE - ALL

☐

NOTE: Version supports unaltered "pass through" of JPEG compressed and uncompressed NITF products.

Complexity Level							
NITF 2.1 CLEVEL							
	3	5	6	7			
Interpret							
Generate							
NITF 2.0 CLEVEL							
	1	2	3	4	5	6	Oth
Interpret							
Generate							

Configurations Tested:

- Sun Client - E-450- Sun Solaris 2.6 [CLEVELs 1-6]
Image Formats: Full, IMP, Chips, 8/8 and 11/16 Bits

- Sun Server - E6000 - Sun Solaris 8 [CLEVELs 4-6]
Image Formats: Full, IMP, RRDS, 11/16 Bit

Pixel Value Types

☐ Boolean

☒ Integer

☐ Signed Integer *

☐ IEEE Real *

☐ IEEE Complex *

Annotation Segment Types

☐ Bit Mapped **

☐ CGM, 2301

☐ CGM, 2301A

☐ Labels **

Text Segments

☐ STA

☐ UT1

☐ U8S

☐ MTF

Image Compression

☒ Not Compressed

☐ JPEG Lossy, 8-bit

☐ JPEG Lossy, 12-bit

☐ JPEG Downsample

☐ JPEG Lossless

☐ JPEG 2000

☐ Bit Level

☐ Vector Quantization

☐ Multispectral JPEG, Individual Band

EDWARD E. BOYLES, Division Chief
Joint Interoperability Test Command
Executive Agent to National Imagery & Mapping Agency
for the NITFS Test and Evaluation Program

Registration does not guarantee that a product will meet all users' requirements.
Potential users should evaluate the detailed test results to determine the suitability of
the product for the intended use. Optional NITFS features may not be implemented.